This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (currently amended) An additional information inserting apparatus for superimposing additional information ~~to~~ on main information signals, comprising:

means for generating first and second insertion signals from the additional information ~~and generating second insertion signals from the additional information~~; and

means for superimposing the ~~respective~~ first and second insertion signals ~~generated from the insertion signal generating means to~~on the main information signals.

2. (currently amended) The additional information inserting apparatus as set forth in Claim 1, wherein the superimposing means superimposes the first and second insertion signals ~~and the second insertion signals to~~on the main information signals such that the first insertion signals are superimposed ~~to~~ on first intervals of the main information signals and the second insertion signals are superimposed ~~to~~ on second intervals of the main information signals, ~~and that~~ the first intervals and the second intervals existing alternately along a time direction of the main information signals.

3. (currently amended) The additional information inserting apparatus as set forth in Claim 2, wherein the superimposing means superimposes the ~~respective different~~ first

and second insertion signals ~~to~~ on the main information signals ~~every~~ at predetermined ~~period~~intervals.

4. (currently amended) The additional information inserting apparatus as set forth in Claim 2, wherein the superimposing means superimposes the ~~respective different~~first and second insertion signals ~~to~~ on the main information signals ~~every~~ at intervals of a predetermined number of frames or ~~every predetermined number of~~ fields.

5. (currently amended) The additional information inserting apparatus as set forth in Claim 1, wherein the main information signals include signal units, and the superimposing means superimposes the first ~~insertion signals~~ and ~~the~~ second insertion signals ~~to~~ on a plurality of regions of the main information signals~~,~~ ~~which regions are~~ obtained by dividing the signal units ~~constituting the main information signals~~.

6. (currently amended) The additional information inserting apparatus as set forth in Claim 3, wherein the main information signals are image signals having frames or fields, and signal units of the main information signals are the frames or fields ~~constituting~~ of the image signals.

7. (currently amended) The additional information inserting apparatus as set forth in Claim 1, wherein the ~~insertion signal generating means generates~~ additional

information used to generate the first insertion signals ~~and the second insertion signals from identical~~ is identical to the additional information used to generate the second insertion signals.

8. (currently amended) The additional information inserting apparatus as set forth in Claim 1, wherein the insertion signal generating means generates the first and second insertion signals ~~and the second insertion signals by the use of~~using key information, ~~and generates different~~ wherein the first insertion signals are different from the second insertion signals when the key information used to generate the first insertion signals from the additional information ~~by varying the key information to be used~~ is different from the key information used to generate the second insertion signals from the additional information.

9. (currently amended) The additional information inserting apparatus as set forth in Claim 1, wherein the insertion signal generating means generates ~~different~~ first and second insertion signals ~~from the additional information by varying the encoding method~~ using encoding methods, wherein the first insertion signals are different from the second insertion signals when the encoding method used to generate the first insertion signals from the additional information is different from the encoding method used to generate the second insertion signals from the additional information.

10. (currently amended) ~~An additional information inserting~~A method for superimposing additional information ~~to~~ on main information signals, comprising the steps of:

generating first and second insertion signals from the additional information ~~and generating second insertion signals from the additional information~~; and

superimposing the ~~respective~~ first and second insertion signals ~~generated in the insertion signal generating step to~~on the main information signals.

11. (currently amended) The additional information inserting method as set forth in Claim 10, wherein the superimposing step includes ~~superimposes~~ superimposing the first and second insertion signals ~~and the second insertion signals to~~on the main information signals such that the first insertion signals are superimposed ~~to~~ on first intervals of the main information signals and the second insertion signals are superimposed ~~to~~ on second intervals of the main information signals, ~~and that~~ the first intervals and the second intervals existing alternately along a time direction of the main information signals.

12. (currently amended) The additional information inserting method as set forth in Claim 11, wherein the superimposing step includes ~~superimposes~~ superimposing the ~~respective different~~first and second insertion signals ~~to~~ on the main information signals ~~every~~ at predetermined ~~period~~intervals.

13. (currently amended) The additional information inserting method as set forth in Claim 11, wherein the superimposing step includes superimpose~~s~~ing the ~~respective different~~first and second insertion signals ~~to~~ on the main information signals ~~every~~ at intervals of a predetermined number of frames or ~~every predetermined number of~~ fields.

14. (currently amended) The additional information inserting method as set forth in Claim 10, wherein the main information signals include signal units, and the superimposing step includes ~~superimposes~~ superimposing the first and second insertion signals ~~and the second insertion signals to~~on a plurality of regions of the main information signals~~, which regions are~~ obtained by dividing the signal units~~constituting the main information signals~~.

15. (currently amended) The additional information inserting method as set forth in Claim 12, wherein the main information signals are image signals having frames or fields, and signal units of the main information signals are the frames or fields ~~constituting~~ of the image signals.

16. (currently amended) The additional information inserting method as set forth in Claim 10, wherein the ~~insertion signal generating step generates~~ additional information used to generate the first insertion signals ~~and~~ is identical to the

additional information used to generate the second insertion signals ~~from identical additional information~~.

17. (currently amended) The additional information inserting method as set forth in Claim 10, wherein the insertion signal generating step includes ~~generates~~ generating the first and second insertion signals ~~and the second insertion signals by the use of~~ using key information, ~~and generates different~~ wherein the first insertion signals are different from the second insertion signals when the key information used to generate the first insertion signals from the additional information ~~by varying the key information to be used~~is different from the key information used to generate the second insertion signals from the additional information.

18. (currently amended) The additional information inserting method as set forth in Claim 10, wherein the insertion signal generating step includes ~~generates~~ generating ~~different~~ first and second insertion signals ~~from the additional information by varying the encoding method~~using encoding methods, wherein the first insertion signals are different from the second insertion signals when the encoding method used to generate the first insertion signals from the additional information is different from the encoding method used to generate the second insertion signals from the additional information.

19. (currently amended) A recording medium ~~which has~~ recorded ~~therein~~ with signals, the signals comprising:

~~being~~ main information signals; and

secondary signals superimposed on the main information signals, the secondary signals including ~~having superimposed thereto additional information, wherein~~ first and second insertion signals generated from ~~the~~ additional information and ~~second insertion signals generated from the additional information are~~ multiplexed ~~and superimposed to the main information signals~~together.

20. (currently amended) A method of placing information on a recording medium, ~~which has recorded therein signals being~~the information including main information signals ~~having superimposed thereto~~and additional information superimposed on the main information signals, ~~wherein the recording medium is manufactured by undergoing~~ the method comprising the steps of:

generating first and second insertion signals from the additional information ~~and generating second insertion signals from the additional information~~;

superimposing the ~~respective~~ first and second insertion signals ~~generated in the insertion signal generating step to~~on the main information signals to form combined signals; and

recording the combined signals ~~having superimposed thereto the respective insertion signals generated in the insertion signal superimposing step~~ to the recording medium.